

AMENDMENTS TO THE CLAIMS

Claim 1 (original) Apparatus for treating a subject, comprising:

a stimulation device, adapted to be implanted in a vicinity of a site selected from the list consisting of : a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG; and a connecting element, coupled to the stimulation device, and adapted to be passed through at least a portion of a greater palatine canal of the subject.

Claim 2 (original) The apparatus according to claim 1, wherein the portion of the greater palatine canal has a length of at least about 2 cm, and wherein the connecting element is adapted to be passed through the portion.

Claim 3 (original) The apparatus according to claim 1, wherein the connecting element comprises at least one mark, adapted to indicate a depth of insertion of the stimulation device in the greater palatine canal.

Claim 4 (original) The apparatus according to claim 1, wherein the stimulation device is adapted to stimulate the site, and to configure the stimulation to be sufficient to induce a change in cerebral blood flow of the subject.

Claim 5 (original) The apparatus according to claim 1, wherein the stimulation device is adapted to stimulate the site, and to configure the stimulation to be sufficient to modulate permeability of a blood-brain-barrier of the subject.

Claim 6 (original) The apparatus according to claim 1, wherein the site includes the SPG of the subject, and wherein the stimulation device is adapted to be implanted in the vicinity of the SPG.

Claim 7 (original) The apparatus according to claim 1, wherein the site includes a vidian nerve of the subject, and wherein the stimulation device is adapted to be implanted in the vicinity of the vidian nerve.

Claim 8 (original) The apparatus according to claim 1, wherein the site includes an ethmoidal nerve of the subject, and wherein the stimulation device is adapted to be implanted in the vicinity of the ethmoidal nerve.

Claim 9 (original) The apparatus according to claim 1, wherein the site includes a retro-orbital branch of the SPG of the subject, and wherein the stimulation device is adapted to be implanted in the vicinity of the retro-orbital branch.

Claim 10 (original) The apparatus according to claim 1, comprising an introducer, adapted for mounting the stimulation device thereon, and to be passed through the at least a portion of the greater palatine canal.

Claim 11 (currently amended) The apparatus according ~~any one of to claims 1-10~~ to claim 1, wherein the stimulation device comprises at least one electrode.

Claim 12 (original) The apparatus according to claim 11, wherein the electrode is configured to wrap around a nerve of the subject in the vicinity of the site.

Claim 13 (currently amended) The apparatus according to ~~any one of claims 1-10~~ claim 1, comprising a stimulator, coupled to the connecting element, and adapted to be fixed to a hard palate of the subject.

Claim 14 (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to the hard palate in a suprapariosteal region thereof.

Claim 15 (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to an upper surface of the hard palate in a nasal cavity of the subject.

Claim 16 (original) The apparatus according to claim 13, wherein the stimulator is adapted to be coupled to a lower surface of the hard palate.

Claims 17-24 (cancelled)

Claim 25 (original) A method for implanting a treatment stimulation device in a vicinity of a site of a subject, comprising:

passing the device through a greater palatine foramen of the subject;

and bringing the device into contact with the vicinity of the site, the site selected from the list consisting of : a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG.

Claim 26 (original) A method for implanting a treatment stimulation device in a vicinity of a site of a subject, comprising:

passing the device through at least a portion of a greater palatine canal of the subject; and

bringing the device into contact with the vicinity of the site, the site selected from the list consisting of : a sphenopalatine ganglion (SPG) of the subject and a neural tract originating in or leading to the SPG.

Claim 27 (currently amended) The method according to claim 25 ~~or~~ 26, wherein the site includes the SPG of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the SPG.

Claim 28 (currently amended) The method according to claim 25 ~~or~~ 26, wherein the site includes a vidian nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the vidian nerve.

Claim 29 (currently amended) The method according to claim 25 ~~or~~ 26, wherein the site includes an ethmoidal nerve of the subject, and wherein bringing the device into contact with the vicinity of the site comprises bringing the device into contact with the vicinity of the ethmoidal nerve.

Claim 30 (currently amended) The method according to claim 25 ~~or~~ 26, wherein the site includes a retro-orbital branch of the SPG of the subject, and wherein bringing the device into

contact with the vicinity of the site comprises bringing the device into contact with the retro-orbital branch.

Claim 31 (currently amended) The method according to claim 25 ~~or 26~~, wherein bringing the device into contact comprises:

applying stimulation with the device;

observing one or more physiological responses of the subject to the stimulation; and

verifying desired placement of the device responsive to the observation.

Claim 32 (currently amended) The method according to claim 25 ~~or 26~~, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to induce a change in cerebral blood flow of the subject.

Claim 33 (currently amended) The method according to claim 25 ~~or 26~~, wherein bringing the device into contact comprises applying stimulation with the device, and configuring the stimulation to be sufficient to modulate permeability of a blood-brain-barrier of the subject.

Claim 34 (currently amended) The method according to claim 25 ~~or 26~~, wherein the stimulation device includes at least one electrode, and wherein bringing the device into contact comprises bringing the electrode into contact with the vicinity of the site.

Claim 35 (original) The method according to claim 34, wherein bringing the electrode into contact comprises wrapping the electrode around a nerve of the subject in the vicinity of the site.

Claim 36 (currently amended) The method according to claim 25 ~~or 26~~, wherein the stimulation device includes a stimulator, the method comprising fixing the stimulator to a hard palate of the subject.

Claim 37 (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a suprapariosteal region of the hard palate.

Claim 38 (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to an upper surface of the hard palate in a nasal cavity of the subject.

Claim 39 (original) The method according to claim 36, wherein fixing the stimulator to the hard palate comprises coupling the stimulator to a lower surface of the hard palate.

Claim 40 (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises determining a depth of insertion of the device in a greater palatine canal of the subject by observing at least one mark on the device indicative of the depth of the insertion.

Claim 41 (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises widening a greater palatine canal of the subject using a series of periosteal elevators having successively greater diameters.

Claim 42 (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises widening a greater palatine canal of the subject using a series of tools having successively greater diameters.

Claim 43 (original) The method according to claim 25, wherein passing the device through the greater palatine foramen comprises mounting the device on an introducer, and passing the introducer through the greater palatine foramen.

Claim 44 (original) The method according to claim 26, wherein passing the device through the portion of the greater palatine canal comprises determining a depth of insertion of the device in the greater palatine canal by observing at least one mark on the device indicative of the depth of the insertion.

Claim 45 (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises passing the device through at least about 2 cm of the greater palatine canal.

Claim 46 (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises widening the portion using a series of periosteal elevators having successively greater diameters.

Claim 47 (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises widening the portion using a series of tools having successively greater diameters.

Claim 48 (original) The method according to claim 26, wherein passing the device through the at least a portion of the greater palatine canal comprises mounting the device on an introducer, and passing the introducer through the portion.

Claims 49-64 (cancelled)